

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 18:00:43 ON 17 JUN 2005

=> b ca

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.48

FILE 'CA' ENTERED AT 18:01:02 ON 17 JUN 2005

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FILE COVERS 1907 - 16 Jun 2005 VOL 142 ISS 26

FILE LAST UPDATED: 16 Jun 2005 (20050616/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s ecl or electrochemiluminescence?

1981 ECL

1424 ELECTROCHEMILUMINESCENCE?

L1 2821 ECL OR ELECTROCHEMILUMINESCENCE?

=> s l1 and voltage(w)waveform

260227 VOLTAGE

4595 WAVEFORM

195 VOLTAGE(W)WAVEFORM

L2 2 L1 AND VOLTAGE(W)WAVEFORM

=> d ti ab 1-2

L2 ANSWER 1 OF 2 CA COPYRIGHT 2005 ACS on STN

TI Multi-array, multi-specific \*\*\*electrochemiluminescence\*\*\* testing

AB The invention relates to a cassette for conducting

\*\*\*electrochemiluminescence\*\*\* ( \*\*\*ECL\*\*\* ) reactions and assays

comprising a plurality of discrete binding domains immobilized on a

support, the discrete binding domains being spatially aligned with

.gtoreq.1 electrode and .gtoreq.1 counterelectrode pairs. The cassette

preferably includes a first support having a plurality of discrete binding

domains immobilized on the surface. It may have .gtoreq.1 electrode and

.gtoreq.1 counterelectrode pairs. The electrode and counterelectrode

pairs are sep. addressable by a source of elec. energy in the form of a

\*\*\*voltage\*\*\* \*\*\*waveform\*\*\* effective to trigger \*\*\*ECL\*\*\* .

The invention relates further to methods for using the cassettes for

measuring \*\*\*ECL\*\*\* in a sample by contacting the plurality of binding

domains of a cassette with a sample that contains a plurality of analytes

of interest, under \*\*\*ECL\*\*\* assay conditions, and then applying a

\*\*\*voltage\*\*\* \*\*\*waveform\*\*\* effective to trigger \*\*\*ECL\*\*\* at

each of the plurality of electrode and counterelectrode pairs and

detecting or measuring the triggered \*\*\*ECL\*\*\* . The invention also

provides kits for performing the assays. Examples are given of the

detection of .alpha.-fetoprotein, TSH, and prostate-specific antigen.

L2 ANSWER 2 OF 2 CA COPYRIGHT 2005 ACS on STN  
 TI Method and apparatus for conducting electrochemiluminescent measurements  
 AB A method and app. for triggering and measuring electrochemiluminescent phenomena uses a \*\*\*voltage\*\*\* \*\*\*waveform\*\*\* applied at the voltammetric working electrode, which improves the precision and accuracy of measurements. This waveform has a decreasing scan rate in the range of voltages for which \*\*\*electrochemiluminescence\*\*\* is triggered and is substantially sinusoidal in shape in this range. The waveform results from locating the ref. electrode for a potentiostat in close potential proximity to its counter electrode, and applying a uniform scanning \*\*\*voltage\*\*\* \*\*\*waveform\*\*\* at the ref. electrode. The waveform also can be synthesized digitally, converted to analog form, and applied directly to the working electrode with the ref. electrode in close potential proximity to the working electrode.

=> b biosis

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	17.67	18.15
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.72	-2.72

FILE 'BIOSIS' ENTERED AT 18:02:33 ON 17 JUN 2005  
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FILE COVERS 1969 TO DATE.  
 CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
 FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 16 June 2005 (20050616/ED)

FILE RELOADED: 19 October 2003.

=> s 12

1680 ECL  
 347 ELECTROCHEMILUMINESCENCE?  
 66017 VOLTAGE  
 7384 WAVEFORM  
 46 VOLTAGE(W)WAVEFORM  
 0 L1 AND VOLTAGE(W)WAVEFORM

L3

=> b medline

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.85	19.00
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.72

FILE 'MEDLINE' ENTERED AT 18:02:43 ON 17 JUN 2005

FILE LAST UPDATED: 17 JUN 2005 (20050617/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP  
 RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate

substance identification.

=> s 12

1299 ECL  
251 ELECTROCHEMILUMINESCENCE?  
55528 VOLTAGE  
7462 WAVEFORM  
42 VOLTAGE(W) WAVEFORM

L4 0 L1 AND VOLTAGE(W) WAVEFORM

=> d his

(FILE 'HOME' ENTERED AT 18:00:43 ON 17 JUN 2005)

FILE 'STNGUIDE' ENTERED AT 18:00:52 ON 17 JUN 2005

FILE 'HOME' ENTERED AT 18:00:58 ON 17 JUN 2005

FILE 'CA' ENTERED AT 18:01:02 ON 17 JUN 2005

L1 2821 S ECL OR ELECTROCHEMILUMINESCENCE?

L2 2 S L1 AND VOLTAGE(W) WAVEFORM

FILE 'BIOSIS' ENTERED AT 18:02:33 ON 17 JUN 2005

L3 0 S L2

FILE 'MEDLINE' ENTERED AT 18:02:43 ON 17 JUN 2005

L4 0 S L2

=> logoff y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.38

19.38

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-2.72

STN INTERNATIONAL LOGOFF AT 18:02:59 ON 17 JUN 2005